Yan Yu

List of Publications by Citations

405	29,375	95	157
papers	citations	h-index	g-index
440	34,893	12.8	7.96
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
405	Single-layered ultrasmall nanoplates of MoS2 embedded in carbon nanofibers with excellent electrochemical performance for lithium and sodium storage. *Angewandte Chemie - International Edition*, **2014**, 53, 2152-6	16.4	777
404	Guidelines and trends for next-generation rechargeable lithium and lithium-ion batteries. *Chemical Society Reviews*, **2020**, 49, 1569-1614	58.5	615
403	Encapsulation of Sn@carbon nanoparticles in bamboo-like hollow carbon nanofibers as an anode material in lithium-based batteries. *Angewandte Chemie - International Edition*, **2009**, 48, 6485-9	16.4	530
402	Reversible storage of lithium in silver-coated three-dimensional macroporous silicon. *Advanced Materials*, **2010**, 22, 2247-50	24	518
401	Nitrogen doped porous carbon fibres as anode materials for sodium ion batteries with excellent rate performance. *Nanoscale*, **2014**, 6, 1384-9	7.7	481
400	Carbon-coated Na3V2(PO4)3 embedded in porous carbon matrix: an ultrafast Na-storage cathode with the potential of outperforming Li cathodes. *Nano Letters*, **2014**, 14, 2175-80	11.5	392
399	Self-Supported Nanotube Arrays of Sulfur-Doped TiO2 Enabling Ultrastable and Robust Sodium Storage. *Advanced Materials*, **2016**, 28, 2259-65	24	385
398	Tin nanoparticles encapsulated in porous multichannel carbon microtubes: preparation by single-nozzle electrospinning and application as anode material for high-performance Li-based batteries. *Journal of the American Chemical Society*, **2009**, 131, 15984-5	16.4	377
397	Self-supported Li4Ti5O12-C nanotube arrays as high-rate and long-life anode materials for flexible Li-ion batteries. *Nano Letters*, **2014**, 14, 2597-603	11.5	365
396	An Advanced Sodium-Ion Battery Composed of Carbon Coated Na$_3$V$_2$(PO$_4$)$_3$ in a Porous Graphene Network. *Advanced Materials*, **2015**, 27, 6670-6	24	363
395	Confined Amorphous Red Phosphorus in MOF-Derived N-Doped Microporous Carbon as a Superior Anode for Sodium-Ion Battery. *Advanced Materials*, **2017**, 29, 1605820	24	350
394	Uniform yolk–shell Sn4P3@C nanospheres as high-capacity and cycle-stable anode materials for sodium-ion batteries. *Energy and Environmental Science*, **2015**, 8, 3531-3538	35.4	350
393	A Review on Lithium-Ion Batteries Safety Issues: Existing Problems and Possible Solutions. *Materials Express*, **2012**, 2, 197-212	1.3	350
392	Challenges and Perspectives for NASICON-Type Electrode Materials for Advanced Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700431	24	346
391	3D Amorphous Carbon with Controlled Porous and Disordered Structures as a High-Rate Anode Material for Sodium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1702434	21.8	343
390	Amorphous Red Phosphorus Embedded in Highly Ordered Mesoporous Carbon with Superior Lithium and Sodium Storage Capacity. *Nano Letters*, **2016**, 16, 1546-53	11.5	307
389	New Nanoconfined Galvanic Replacement Synthesis of Hollow Sb@C Yolk-Shell Spheres Constituting a Stable Anode for High-Rate Li/Na-Ion Batteries. *Nano Letters*, **2017**, 17, 2034-2042	11.5	306

388	High Energy and High Power Lithium-Ion Capacitors Based on Boron and Nitrogen Dual-Doped 3D Carbon Nanofibers as Both Cathode and Anode. *Advanced Energy Materials*, **2017**, 7, 1701336	21.8	298
387	Nickel-foam-supported reticular CoO-Li2O composite anode materials for lithium ion batteries. *Angewandte Chemie - International Edition*, **2005**, 44, 7085-9	16.4	293
386	Progress of enhancing the safety of lithium ion battery from the electrolyte aspect. *Nano Energy*, **2019**, 55, 93-114	17.1	285
385	MoS-Based Nanocomposites for Electrochemical Energy Storage. *Advanced Science*, **2017**, 4, 1600289	13.6	278
384	Solid-State Sodium Batteries. *Advanced Energy Materials*, **2018**, 8, 1703012	21.8	275
383	Cobalt Sulfide Quantum Dot Embedded N/S-Doped Carbon Nanosheets with Superior Reversibility and Rate Capability for Sodium-Ion Batteries. *ACS Nano*, **2017**, 11, 12658-12667	16.7	275
382	MOF-Derived Hollow Co9 S8 Nanoparticles Embedded in Graphitic Carbon Nanocages with Superior Li-Ion Storage. *Small*, **2016**, 12, 2354-64	11	274
381	Dual-Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1605650	24	257
380	Nanoconfined Carbon-Coated Na3V2(PO4)3 Particles in Mesoporous Carbon Enabling Ultralong Cycle Life for Sodium-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1402104	21.8	252
379	Facile Solid-State Growth of 3D Well-Interconnected Nitrogen-Rich Carbon Nanotube□Graphene Hybrid Architectures for Lithium□Sulfur Batteries. *Advanced Functional Materials*, **2016**, 26, 1112-1119	15.6	246
378	Electrospun Na3V2(PO4)3/C nanofibers as stable cathode materials for sodium-ion batteries. *Nanoscale*, **2014**, 6, 5081-6	7.7	235
377	Facile synthesis of highly porous Ni-Sn intermetallic microcages with excellent electrochemical performance for lithium and sodium storage. *Nano Letters*, **2014**, 14, 6387-92	11.5	227
376	Free-standing and binder-free sodium-ion electrodes with ultralong cycle life and high rate performance based on porous carbon nanofibers. *Nanoscale*, **2014**, 6, 693-8	7.7	225
375	Energy Storage Materials from Nature through Nanotechnology: A Sustainable Route from Reed Plants to a Silicon Anode for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 9632-6	16.4	214
374	Synthesizing Porous NaTi2(PO4)3 Nanoparticles Embedded in 3D Graphene Networks for High-Rate and Long Cycle-Life Sodium Electrodes. *ACS Nano*, **2015**, 9, 6610-8	16.7	213
373	Peapod-Like Carbon-Encapsulated Cobalt Chalcogenide Nanowires as Cycle-Stable and High-Rate Materials for Sodium-Ion Anodes. *Advanced Materials*, **2016**, 28, 7276-83	24	212
372	Electrospinning of highly electroactive carbon-coated single-crystalline LiFePO4 nanowires. *Angewandte Chemie - International Edition*, **2011**, 50, 6278-82	16.4	211
371	Peapod-like Li VO /N-Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for High-Energy Lithium-Ion Capacitors. *Advanced Materials*, **2017**, 29, 1700142	24	207

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369	High Performance Graphene/Ni P Hybrid Anodes for Lithium and Sodium Storage through 3D Yolk-Shell-Like Nanostructural Design. *Advanced Materials*, **2017**, 29, 1604015	24	193
368	Nano-Pearl-String TiNb2O7 as Anodes for Rechargeable Lithium Batteries. *Advanced Energy Materials*, **2013**, 3, 49-53	21.8	193
367	Carbon-encapsulated pyrite as stable and earth-abundant high energy cathode material for rechargeable lithium batteries. *Advanced Materials*, **2014**, 26, 6025-30	24	192
366	A Flexible Porous Carbon Nanofibers-Selenium Cathode with Superior Electrochemical Performance for Both Li-Se and Na-Se Batteries. *Advanced Energy Materials*, **2015**, 5, 1401377	21.8	191
365	Sodium/Potassium-Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. *Advanced Materials*, **2020**, 32, e1904320	24	191
364	Superior Sodium Storage in Na2Ti3O7 Nanotube Arrays through Surface Engineering. *Advanced Energy Materials*, **2016**, 6, 1502568	21.8	189
363	Boosting Potassium-Ion Battery Performance by Encapsulating Red Phosphorus in Free-Standing Nitrogen-Doped Porous Hollow Carbon Nanofibers. *Nano Letters*, **2019**, 19, 1351-1358	11.5	186
362	The nanoscale circuitry of battery electrodes. *Science*, **2017**, 358,	33.3	184
361	Multicore Shell Bi@N-doped Carbon Nanospheres for High Power Density and Long Cycle Life Sodium- and Potassium-Ion Anodes. *Advanced Functional Materials*, **2019**, 29, 1809195	15.6	183
360	Li storage in 3D nanoporous Au-supported nanocrystalline tin. *Advanced Materials*, **2011**, 23, 2443-7	24	183
359	High Power-High Energy Sodium Battery Based on Threefold Interpenetrating Network. *Advanced Materials*, **2016**, 28, 2409-16	24	182
358	Enhanced Pseudocapacitive Performance of MnO by Cation Preinsertion. *ACS Applied Materials & Interfaces*, **2016**, 8, 33732-33740	9.5	180
357	Ge/C nanowires as high-capacity and long-life anode materials for Li-ion batteries. *ACS Nano*, **2014**, 8, 7051-9	16.7	177
356	Si-, Ge-, Sn-Based Anode Materials for Lithium-Ion Batteries: From Structure Design to Electrochemical Performance. *Small Methods*, **2017**, 1, 1600037	12.8	174
355	FeS@C on Carbon Cloth as Flexible Electrode for Both Lithium and Sodium Storage. *ACS Applied Materials & Interfaces*, **2015**, 7, 27804-9	9.5	172
354	3D V Nanotextiles assembled from interconnected nanogrooves as cathode materials for high-energy lithium ion batteries. *Nano Letters*, **2015**, 15, 1388-94	11.5	160
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350	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1902228	24	149
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334	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. *Nature Communications*, **2019**, 10, 4244	17.4	128
333	Superior Sodium Storage in 3D Interconnected Nitrogen and Oxygen Dual-Doped Carbon Network. *Small*, **2016**, 12, 2559-66	11	127
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